



## PATENT APPLICATION

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:

Inventor(s): Candelore, et al.

Filed: 2/9/2004

Serial No.: 10/774,871

Confirmation No.:

Art Unit:

Examiner:

Docket Number: SNY-T5714.02

Title: Module With Content Manipulation Feature

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

### INFORMATION DISCLOSURE STATEMENT

Sir:

The undersigned submits herewith patents, publications or other information (enclosed herewith and/or listed on the enclosed list of references form) of which he is aware, which he believes is relevant and may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR §1.56. The order of listing of the references on the attached form and any appendix hereto is without regard for relative relevance to the present invention.

This Information Disclosure Statement is submitted:

☒ Under 37 CFR §1.97(b).

(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)

☐ Under 37 CFR §1.97(c).

☐ Below is a statement under 37 CFR §1.97(e), or

☐ An IDS submission fee under 37 CFR §1.17(p).

(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first. Either a statement under 37 CFR 1.97(e) or an IDS submission fee is required.)

☐ Under 37 CFR §1.97(d).

☐ Below is a statement under 37 CFR §1.97(e), and

☐ Applicant(s) hereby petitions under 37 CFR §1.97(d)(2) for consideration of this Information Disclosure Statement, and

☐ A petition fee set forth in 37 CFR §1.17(i) is paid as indicated below.

(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

The undersigned hereby certifies under 37 CFR §1.97(e) that:

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, not more than three months prior to the filing of the statement, or
- ☐ No item of information contained in the Information Disclosure Statement -- was cited in a communication from a foreign patent office in a counterpart foreign application, and -- to the knowledge of the undersigned, after making reasonable inquiry, was known to an individual designated in 37 CFR §1.56 (c) more than three months prior to the filing of the Information Disclosure Statement.

A concise explanation of relevance of the items listed on the attached form:

- ☒ Is not required for English language references.
- ☐ Additional information is provided in an appendix to this communication.
- ☐ Appears in the body of the application.
- ☐ Is given for non-English language listed item(s) [Required] and appears in an appendix to this communication.
- ☐ Is in the form of an English language copy of a Search Report (copy attached) from a foreign patent office, issued in a counterpart application which refers to the relevant portions of the references.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR §1.56, this statement does not constitute an admission that any patent, publication or other information referred to therein is "prior art" or "material" to this invention or any application for patent for this invention.

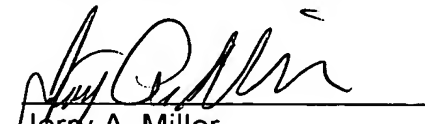
In accordance with 37 CFR §1.97, the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that other information that may be material as defined in 37 CFR §1.56 exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR §1.97 and §1.98 and MPEP §609. The Examiner is requested to fully consider each of these references and acknowledge such consideration by appropriately initialing the attached form and returning a copy to the address below. In addition, the Examiner is requested to conduct a thorough independent search in order to bring the best references available forward in this application.

The fee required for this Information Disclosure Statement is calculated below:

Fee under 37 CFR §1.17(p)	(\$180)	\$
Fee under 37 CFR §1.17(i)	(\$130)	\$
TOTAL		\$ 0.00

- ☐ A check for the above fees is enclosed.
- ☐ Please the above fees to my credit card. See the enclosed credit card charge authorization form.
- ☒ The commissioner is hereby authorized to charge any additional fees which may be required for this submission, or credit any overpayment to my Deposit Account No. 50-1267.

Respectfully submitted,

  
Jerry A. Miller  
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Dated: 4/22/2004

**CERTIFICATE OF MAILING**

I hereby certify that this Information Disclosure Statement including associated List of References, Copies of references and fee (if required) is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on: 4/22/2004.

Jerry A. Miller

Typed or printed name of person signing certificate


  
Signature



LIST OF REFERENCES CITED BY APPLICANT(S)	Application No.: 10/774,871	Sheet 1 of 4
	Docket No.: SNY-T5714.02	Group:
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	Applicant: Candelore, et al.	

U.S. PATENT DOCUMENTS					
Exam. Init.	Document Number	Issue/Pub. Date	Name	Class	Filing Date
	3,852,519	12/3/1974	Court		10/20/1972
	4,739,510	4/19/1988	Jeffers et al.		4/2/1987
	4,944,006	7/24/1990	Citta et al.		4/25/1989
	4,995,080	2/19/1991	Bestler et al.		7/16/1990
	5,018,197	5/21/1991	Jones et al.		7/30/1990
	5,247,575	9/21/1993	Sprague et al.		4/24/1992
	5,325,432	6/28/1994	Gardeck et al.		2/4/1993
	5,539,823	7/23/96	Martin		7/24/94
	5,420,866	5/30/1995	Wasilewski		3/29/1994
	5,535,276	7/9/1996	Ganesan		11/9/1994
	5,555,305	9/10/1996	Robinson et al.		9/29/1992
	5,561,713	10/1/1996	Suh		7/18/1994
	5,600,721	2/4/97	Kitazato		7/27/94
	5,629,981	5/13/1997	Nerlikar		7/29/1994
	5,666,293	9/9/1997	Metz et al.		7/3/1995
	5,717,814	2/10/1998	Abecassis		9/16/1994
	5,742,680	4/21/1998	Wilson		11/13/1995
	5,742,681	4/21/1998	Giachetti et al.		4/4/1995
	5,751,813	5/12/1998	Dorenbos		4/29/1996
	5,754,650	5/19/1998	Katznelson		5/3/1995
	5,518,934	10/6/1998	Cuccia		12/18/1996
	5,805,700	9/8/98	Nardone, et al.		10/15/96
	5,894,516	4/13/1999	Brandenburg		7/10/1996

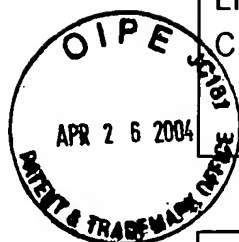
Examiner:	Date:
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LIST OF REFERENCES CITED BY APPLICANT(S)	Application No.: 10/774,871	Sheet 2 of 4
	Docket No.: SNY-T5714.02	Group:
	Filed: 2/9/2004	Conf. No.:
	Applicant: Candelore, et al.	

	5,915,018	6/22/1999	Aucsmith		11/5/1996
	5,999,622	12/7/1999	Yasukawa et al.		11/22/1995
	6,005,561	12/21/1999	Hawkins, et al.		12/14/1994
	6,011,849	1/4/2000	Orrin		8/28/1997
	6,012,144	1/4/2000	Pickett		10/1/1997
	6,021,199	2/1/2000	Ishibashi		10/14/1997
	6,049,613	4/11/2000	Jakobsson		1/13/1998
	6,055,314	4/25/2000	Spies et al.		3/22/1996
	6,057,872	5/2/2000	Candelore		7/9/97
	6,058,186	5/2/2000	Enari		9/29/1998
	6,064,748	5/16/2000	Hogan		6/16/1998
	6,072,873	6/6/2000	Bewick		3/3/1998
	6,229,895	5/8/2001	Son et al.		3/12/1999
	6,240,553	5/29/2001	Son et al.		12/10/1999
	6,292,568	9/18/2000	Atkins III, et al.		1/19/2000
	6,307,939	10/23/2001	Vigarie		8/19/1997
	6,378,130	4/23/2002	Adams		10/20/1997
	6,415,031	7/2/2002	Colligan et al.		3/20/2000
	US2002/0108035	8/8/2002	Herley et al.		2/6/2001
	6,449,718	9/10/2002	Rucklidge et al.		4/9/1999
	US2002/0129243	9/12/2002	Nanjundiah		3/8/2001

FOREIGN PATENT DOCUMENTS					
Exam. Init.	Document Number	Date	Country	Class	Translation
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	Docket No.: SNY-T5714.02	Group:
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	Applicant: Candelore, et al.	

	WO 00/31964	6/2/2000	PCT		NR
	WO 01/78386	10/18/2001	PCT		NR
	EP 1 187 483	3/13/2002	EP		NR

OTHER DOCUMENTS / CITATIONS	
Exam. Init.	Document
	ANONYMOUS, Message Authentication With Partial Encryption, Research Disclosure RD 296086, 12/10/1988
	"Performance Study of a Selective Encryption Scheme for the Security of Networked, Real-Time Video" by Spanos and Maples, pages 2-10, 1995, IEEE
	"An Empirical Study of Secure MPEG Video Transmissions" by Agi and Gong, pages 137-144, 1996, IEEE, Proceedings of SNDSS '96
	"Run-Time Performance Evaluation for a Secure MPEG System Supporting Both Selective Watermarking and Encryption" by Wu and Wu, March 1, 1997, submitted to JSAC special issue on Copyright and Privacy Protection
	"Selective Encryption and Watermarking of MPEG Video (Extended Abstract)" by Wu and Wu, February 17, 1997, submitted to International Conference on Image Science, Systems, and Technology, CISST'97
	"An Efficient MPEG Video Encryption Algorithm" by Shi and Bhargava, pages 381-386, 1998 IEEE
	"Comparison of MPEG Encryption Algorithms" by Qiao and Nahrstedt, January 17, 1998, Preprint submitted to Elsevier Science
	"Applying Encryption to Video Communication" by Kunkelmann, pages 41-47, September, 1998, Multimedia and Security Workshop at ACM Multimedia '98. Bristol, U.K.
	"DVD Demystified - The Guidebook for DVD-Video and DVD-ROM" by Jim Taylor, Pub. McGraw-Hill, 1998, ISBN: 0-07-064841-7, pages 134-147

Examiner:	Date:
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LIST OF REFERENCES SUBMITTED BY APPLICANT(S)	Application No.:10/774,871	Sheet 4 of 4
	Docket No.: SNY-T5714.02	Group:
	Filed: 2/9/2004	Conf. No.:
	Applicant: Candelore, et al.	

	"Multimedia and Security Workshop at ACM Multimedia" '98. Bristol, U.K., September 1998
	ANONYMOUS, New Digital Copy Protection Proposal Would Secure Authorized Copies, PR Newswire, November 1998, pages 1-3
	"Evaluation of Selective Encryption Techniques for Secure Transmission of MPEG-Compressed Bit-Streams" by Alattar and Al-Regib, pages IV-340 to IV-343, 1999, IEEE
	"Improved Selective Encryption Techniques for Secure Transmission of MPEG Video Bit-Streams" by Alattar, Al-Regib and Al-Semari, pages 256-260, 1999, IEEE
	"Efficient Frequency Domain Video Scrambling for Content Access Control" by Zeng and Lei, November 1999, In Proc. ACM Multimedia
	"Transport Streams Insertion of Video in the Compressed Digital Domain" by SeaChange International, Web Site Literature, 2000
	"Pre-encryption Profiles Concept Overview and Proposal" Rev. 1.2, John b. Carlucci, December 5, 2000.
	"Fast Encryption Methods for Audiovisual Data Confidentiality" by Wu and Kuo, Nov. 2000, SPIE International Symposia on Information Technologies 2000, (Boston, Ma., USA)
	"A Report on Security Issues in Multimedia" by Gulwani, April 30, 2000, Course Notes, Department of Computer Science and Engineering, Indian Institute of Technology Kanpur
	"Visible World - A High Impact Approach to Customized Television Advertising" by Haberman, December 2001.
	"Ad Agencies and Advertisers To Be Empowered with Targeted Ads Delivered by Television's Prevailing Video Servers" Article Business Section of The New York Times, Updated Thursday, December 20, 2001
	"Dynamic-Customized TV Advertising Creation and Production Tools" by SeaChange International, Web Site Literature - date unknown

Examiner:	Date:
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